

For Six Month Period Ending OCT 30 1988  
(Insert date)

Name of Registrant

Registration No. 3673

ARIANESPACE INC

Business Address of Registrant

1747 Pennsylvania Ave., N.W.  
Suite 875  
Washington, D.C. 20006

**I—REGISTRANT**

1. Has there been a change in the information previously furnished in connection with the following:

(a) If an individual:

(1) Residence address	Yes <input type="checkbox"/>	No <input type="checkbox"/>
(2) Citizenship	Yes <input type="checkbox"/>	No <input type="checkbox"/>
(3) Occupation	Yes <input type="checkbox"/>	No <input type="checkbox"/>

(b) If an organization:

(1) Name	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
(2) Ownership or control	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
(3) Branch offices	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

2. Explain fully all changes, if any, indicated in item 1.

Not Applicable

IF THE REGISTRANT IS AN INDIVIDUAL, OMIT RESPONSE TO ITEMS 3, 4, and 5.

3. Have any persons ceased acting as partners, officers, directors or similar officials of the registrant during this 6 month reporting period? Yes ☐ No ☒

If yes, furnish the following information:

Name

Position

Date Connection  
Ended

4. Have any persons become partners, officers, directors or similar officials during this 6 month reporting period?  
 Yes ☐ No ☒

If yes, furnish the following information:

<i>Name</i>	<i>Residence Address</i>	<i>Citizenship</i>	<i>Position</i>	<i>Date Assumed</i>
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5. Has any person named in Item 4 rendered services directly in furtherance of the interests of any foreign principal?  
 Yes ☐ No ☒

If yes, identify each such person and describe his services.

6. Have any employees or individuals other than officials, who have filed a short form registration statement, terminated their employment or connection with the registrant during this 6 month reporting period? Yes ☐ No ☒

If yes, furnish the following information:

<i>Name</i>	<i>Position or connection</i>	<i>Date terminated</i>
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7. During this 6 month reporting period, have any persons been hired as employees or in any other capacity by the registrant who rendered services to the registrant directly in furtherance of the interests of any foreign principal in other than a clerical or secretarial, or in a related or similar capacity? Yes ☐ No ☒

If yes, furnish the following information:

<i>Name</i>	<i>Residence Address</i>	<i>Position or connection</i>	<i>Date connection began</i>
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## II—FOREIGN PRINCIPAL

(PAGE 3)

8. Has your connection with any foreign principal ended during this 6 month reporting period?

Yes ☐

No ☒

If yes, furnish the following information:

*Name of foreign principal*

*Date of Termination*

9. Have you acquired any new foreign principal<sup>1</sup> during this 6 month reporting period?

Yes ☐

No ☒

If yes, furnish following information:

*Name and address of foreign principal*

*Date acquired*

10. In addition to those named in Items 8 and 9, if any, list the foreign principals<sup>1</sup> whom you continued to represent during the 6 month reporting period.

ARIANESPACE S.A.  
Boulevard de l'Europe  
91000 Evry - Cedex  
France

## III—ACTIVITIES

11. During this 6 month reporting period, have you engaged in any activities for or rendered any services to any foreign principal named in Items 8, 9, and 10 of this statement? Yes ☒ No ☐

If yes, identify each such foreign principal and describe in full detail your activities and services:

During the reporting period the registrant continued to provide marketing and sales support in the U.S. market area for the satellite launch services of Arianespace, S.A. This activity consists of sales presentations and discussions with potential customers concerning the technical and business aspects of Arianespace services, followup with current customers to ensure continued satisfaction, and representation of the company at symposia and conferences, occasionally as a speaker or participant.

<sup>1</sup>The term "foreign principal" includes, in addition to those defined in section 1(b) of the Act, an individual or organization any of whose activities are directly or indirectly supervised, directed, controlled, financed, or subsidized in whole or in major part by a foreign government, foreign political party, foreign organization or foreign individual. (See Rule 100(a)(9)).

A registrant who represents more than one foreign principal is required to list in the statements he files under the Act only those foreign principals for whom he is not entitled to claim exemption under Section 3 of the Act. (See Rule 204.)

12. During this 6 month reporting period, have you on behalf of any foreign principal engaged in political activity<sup>2</sup> as defined below?  
 Yes ☐ No ☒

If yes, identify each such foreign principal and describe in full detail all such political activity, indicating, among other things, the relations, interests and policies sought to be influenced and the means employed to achieve this purpose. If the registrant arranged, sponsored or delivered speeches, lectures or radio and TV broadcasts, give details as to dates, places of delivery, names of speakers and subject matter.

13. In addition to the above described activities, if any, have you engaged in activity on your own behalf which benefits any or all of your foreign principals? Yes ☐ No ☒

If yes, describe fully.

<sup>2</sup>The term "political activities" means the dissemination of political propaganda and any other activity which the person engaging therein believes will, or which he intends to, prevail upon, indoctrinate, convert, induce, persuade, or in any other way influence any agency or official of the Government of the United States or any section of the public within the United States with reference to formulating, adopting, or changing the domestic or foreign policy of the United States or with reference to the political or public interests, policies, or relations of a government of a foreign country or a foreign political party.

## IV—FINANCIAL INFORMATION

## 14. (a) RECEIPTS—MONIES

During this 6 month reporting period, have you received from any foreign principal named in Items 8, 9 and 10 of this statement, or from any other source, for or in the interests of any such foreign principal, any contributions, income or money either as compensation or otherwise? Yes ☐ No ☐

If yes, set forth below in the required detail and separately for each foreign principal an account of such monies.<sup>3</sup>

<i>Date</i>	<i>From Whom</i>	<i>Purpose</i>	<i>Amount</i>
5/2/89	Arianespace, S.A.	Reimbursement for Expenses	\$ 13,652.42
5/2/89	Same	Commission	245,856.00
6/5/89	Same	Commission	573,545.04
6/5/89	Same	Reimbursement for Expenses	38,315.42
7/5/89	Same	Commission	247,185.00
7/5/89	Same	Reimbursables for Expenses	22,537.28
8/2/89	Same	Reimbursables	1,120.77
9/5/89	Same	Commission	682,500.00
9/5/89	Same	Reimbursables for Expenses	30,564.46
10/3/89	Same	Commission	50,000.00
10/3/89	Same	Reimbursables for Expenses	24,894.63
		<b>Total</b>	<b>\$1,930,171.02</b>

## (b) RECEIPTS—THINGS OF VALUE

During this 6 month reporting period, have you received any thing of value<sup>4</sup> other than money from any foreign principal named in Items 8, 9 and 10 of this statement, or from any other source, for or in the interests of any such foreign principal? Yes ☐ No ☒

If yes, furnish the following information:

<i>Name of foreign principal</i>	<i>Date received</i>	<i>Description of thing of value</i>	<i>Purpose</i>
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<sup>3</sup>A registrant is required to file an Exhibit D if he collects or receives contributions, loans, money, or other things of value for a foreign principal, as part of a fund raising campaign. See Rule 201(e).  
<sup>4</sup>Things of value include but are not limited to gifts, interest free loans, expense free travel, favored stock purchases, exclusive rights, favored treatment over competitors, "kickbacks," and the like.

## 15. (a) DISBURSEMENTS—MONIES

During this 6 month reporting period, have you

(1) disbursed or expended monies in connection with activity on behalf of any foreign principal named in Items 8, 9 and 10 of this statement? Yes ☒ No ☐

(2) transmitted monies to any such foreign principal? Yes ☐ No ☐

If yes, set forth below in the required detail and separately for each foreign principal an account of such monies, including monies transmitted, if any, to each foreign principal.

<i>Date</i>	<i>To Whom</i>	<i>Purpose</i>	<i>Amount</i>
May 89-Oct 89	Office staff and benefits suppliers	Personnel expenses	\$ 149,480.47
Same	Office service suppliers	Office operating expense	96,272.69
Same	Airlines, Hotels, Restaurants, etc.	Travel expenses	69,221.84
Same	Various restaurants	Business entertainment*	5,151.89
Same	Miscellaneous	Other operating expense (consulting, legal and accounting, etc.)	210,745.17
Same	Various	Reimbursable expenses	127,002.78
		TOTAL	\$ 657,874.84

\* Entertainment expense consists of domestic (U.S.) business lunches and dinners with commercial prospects and customers.

## 15. (b) DISBURSEMENTS—THINGS OF VALUE

During this 6 month reporting period, have you disposed of anything of value<sup>3</sup> other than money in furtherance of or in connection with activities on behalf of any foreign principal named in items 8, 9 and 10 of this statement?

Yes ☐ No ☒

If yes, furnish the following information:

<i>Date disposed</i>	<i>Name of person to whom given</i>	<i>On behalf of what foreign principal</i>	<i>Description of thing of value</i>	<i>Purpose</i>
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## (c) DISBURSEMENTS—POLITICAL CONTRIBUTIONS

During this 6 month reporting period, have you from your own funds and on your own behalf either directly or through any other person, made any contributions of money or other things of value<sup>3</sup> in connection with an election to any political office, or in connection with any primary election, convention, or caucus held to select candidates for political office?

Yes ☐ No ☒

If yes, furnish the following information:

<i>Date</i>	<i>Amount or thing of value</i>	<i>Name of political organization</i>	<i>Name of candidate</i>
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## V—POLITICAL PROPAGANDA

(Section 1(j) of the Act defines "political propaganda" as including any oral, visual, graphic, written, pictorial, or other communication or expression by any person (1) which is reasonably adapted to, or which the person disseminating the same believes will, or which he intends to, prevail upon, indoctrinate, convert, induce, or in any other way influence a recipient or any section of the public within the United States with reference to the political or public interests, policies, or relations of a government of a foreign country or a foreign political party or with reference to the foreign policies of the United States or promote in the United States racial, religious, or social dissensions, or (2) which advocates, advises, instigates, or promotes any racial, social, political, or religious disorder, civil riot, or other conflict involving the use of force or violence in any other American republic or the overthrow of any government or political subdivision of any other American republic by any means involving the use of force or violence.)

16. During this 6 month reporting period, did you prepare, disseminate or cause to be disseminated any political propaganda as defined above? Yes ☐ No ☒

IF YES, RESPOND TO THE REMAINING ITEMS IN THIS SECTION V.

17. Identify each such foreign principal.

Not Applicable

<sup>3</sup>Things of value include but are not limited to gifts, interest free loans, expense free travel, favored stock purchases, exclusive rights, favored treatment over competitors, "kickbacks," and the like.

18. During this 6 month reporting period, has any foreign principal established a budget or allocated a specified sum of money to finance your activities in preparing or disseminating political propaganda? Yes ☐ No ☐

If yes, identify each such foreign principal, specify amount, and indicate for what period of time.

Not Applicable

19. During this 6 month reporting period, did your activities in preparing, disseminating or causing the dissemination of political propaganda include the use of any of the following:

☐ Radio or TV broadcasts    ☐ Magazine or newspaper articles    ☐ Motion picture films    ☐ Letters or telegrams  
☐ Advertising campaigns    ☐ Press releases    ☐ Pamphlets or other publications    ☐ Lectures or speeches

☐ Other (specify) \_\_\_\_\_

Not Applicable

20. During this 6 month reporting period, did you disseminate or cause to be disseminated political propaganda among any of the following groups:

☐ Public Officials    ☐ Newspapers    ☐ Libraries  
☐ Legislators    ☐ Editors    ☐ Educational institutions  
☐ Government agencies    ☐ Civic groups or associations    ☐ Nationality groups

☐ Other (specify) \_\_\_\_\_

Not Applicable

21. What language was used in this political propaganda:

☐ English

☐ Other (specify) \_\_\_\_\_

Not Applicable

22. Did you file with the Registration Section, U.S. Department of Justice, two copies of each item of political propaganda material disseminated or caused to be disseminated during this 6 month reporting period? Yes ☐ No ☐

Not Applicable

23. Did you label each item of such political propaganda material with the statement required by Section 4(b) of the Act?

Yes ☐ No ☐

Not Applicable

24. Did you file with the Registration Section, U.S. Department of Justice, a Dissemination Report for each item of such political propaganda material as required by Rule 401 under the Act? Yes ☐ No ☐

Not Applicable

## VI—EXHIBITS AND ATTACHMENTS

### 25. EXHIBITS A AND B

- (a) Have you filed for each of the newly acquired foreign principals in Item 9 the following:

Exhibit A<sup>6</sup>    Yes ☐    No ☐

Exhibit B<sup>7</sup>    Yes ☐    No ☐

If no, please attach the required exhibit.

Not Applicable

- (b) Have there been any changes in the Exhibits A and B previously filed for any foreign principal whom you represented during this six month period? Yes ☐ No ☒

If yes, have you filed an amendment to these exhibits? Yes ☐ No ☐

If no, please attach the required amendment.

<sup>6</sup>The Exhibit A, which is filed on Form CRM-157 (Formerly OBD-67) sets forth the information required to be disclosed concerning each foreign principal.

<sup>7</sup>The Exhibit B, which is filed on Form CRM-155 (Formerly OBD-65) sets forth the information concerning the agreement or understanding between the registrant and the foreign principal.



## 26. EXHIBIT C

If you have previously filed an Exhibit C<sup>1</sup>, state whether any changes therein have occurred during this 6 month reporting period. Yes ☐ No ☒

If yes, have you filed an amendment to the Exhibit C? Yes ☐ No ☐

If no, please attach the required amendment.

## 27. SHORT FORM REGISTRATION STATEMENT

Have short form registration statements been filed by all of the persons named in Items 5 and 7 of the supplemental statement? Yes ☐ No ☐

If no, list names of persons who have not filed the required statement.

Not Applicable

The undersigned swear(s) or affirm(s) that he has (they have) read the information set forth in this registration statement and the attached exhibits and that he is (they are) familiar with the contents thereof and that such contents are in their entirety true and accurate to the best of his (their) knowledge and belief, except that the undersigned make(s) no representation as to the truth or accuracy of the information contained in attached Short Form Registration Statement, if any, insofar as such information is not within his (their) personal knowledge.

(Type or print name under each signature)

(Both copies of this statement shall be signed and sworn to before a notary public or other person authorized to administer oaths by the agent, if the registrant is an individual, or by a majority of those partners, officers, directors or persons performing similar functions who are in the United States, if the registrant is an organization.)

Douglas A. Heydon  
Douglas A. Heydon

Subscribed and sworn to before me at 1747 Pennsylvania Avenue, NW, Washington, D.C.

this 21st day of November, 19 89

Rubena Delisio  
(Signature of notary or other officer)

My Commission Expires January 14, 1990

<sup>1</sup>The Exhibit C, for which no printed form is provided, consists of a true copy of the charter, articles of incorporation, association, constitution, and bylaws of a registrant that is an organization. (A waiver of the requirement to file an Exhibit C may be obtained for good cause upon written application to the Assistant Attorney General, Criminal Division, Internal Security Section, U.S. Department of Justice, Washington, D.C. 20530.)

Press Release 89/13  
Washington, May 17, 1989

**ARIANESPACE SIGNS NEW CONTRACT  
WITH GE AMERICAN COMMUNICATIONS, INC.**

**C-1 to be launched on an Ariane 4 early 1991**

Arianespace announced today that it has signed an agreement with GE American Communications, Inc. for the launch in early 1991 of the SATCOM C-1 satellite. The contract also provides for the launch of SATCOMS C-3 and C-4, two additional C-Band satellites.

"C-1, GE Americom's next generation in-orbit restoration satellite, will be launched in 1991 to continue provision of in-orbit protection for GE Americom's C-band fleet" stated Walter Braun, GE Americom Senior Vice President. This extra level of protection is currently provided by SATCOM 1R. C-1 will provide preemptible service as well as restoration. C-1 is a GE Astro Space Division Advanced Satcom which is similar in design to the GE Americom-operated AURORA 1, SATCOM 1R and 2R spacecraft, which are all solid state satellites. The C-1 spacecraft, with an operational life expectancy of twelve years, has 24 C-Band channels equipped with solid-state power amplifiers whose average output has been measured at 9.5 watts.

On this occasion, Jean-Claude Biget, Vice President Marketing/Customer Service of Arianespace said that "This launch contract confirms the continuing commitment of GE Americom to the provision of timely and reliable C-Band satellite service and builds on the relationship with Arianespace previously established on other spacecraft programs."

With this order, Arianespace has now signed its 72nd contract, with five since January 1, 1989. The order book now totals 36 satellites, worth approximately US\$ 2.40 billion.

NOV 27 1989

Arianespace is the industrial and commercial company that is responsible for the production of the ARIANE launch vehicles. Arianespace also markets and sells ARIANE launch services and handles the launches that take place from the Guiana Space Center in French Guiana. Arianespace Inc., a wholly-owned subsidiary of Arianespace, is responsible for marketing launch services in the United States; also a liaison office in Tokyo facilitates contacts in Japan and in the Pacific region.

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ARIANESPACE Inc.  
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Tel. (202) 728 9075

Claude Sanchez  
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Press Release 89/14  
Washington, May 27, 1989

### **ARIANE FLIGHT 31 : Postponed**

The investigations which were carried out during the night show that the thermal exchanges were too significant across the cryogenic third stage front bulkhead. This is probably due to thermal leakage across the membrane which separates the third stage bulkhead from the payload compartment.

Further interventions are therefore necessary , requiring removal of the SPELDA and fairing composite. As a consequence, a launch postponement of about one week can be expected.

This technical problem is independent of the specific characteristics for this new ARIANE 44L and of the heavy payload of this flight V31.

The new launch date will be announced in the coming days.

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Press Release 89/15  
Washington, June 1, 1989

**ARIANE FLIGHT 31 : RESCHEDULED FOR JUNE 5, 1989**

Following an interruption on May 26, the V31 launch is now rescheduled for the evening of June 5 to 6, 1989.

The membrane insuring the thermal insulation between the payload compartment and the third stage bulkhead of the Ariane 44L was replaced on May 30, 1989 in Kourou. Following analysis and appropriate corrective measures, the countdown will resume on Sunday, June 4, 1989.

The launch window will be as follows:

7:35 pm to 8:50 pm, Kourou time, June 5  
10:35 pm to 11:50 pm, Universal time, June 5  
6:35 pm to 7:50 pm, Washington time, June 5  
12:35 am to 1:50 am, Paris time, June 6  
7:35 am to 8:50 am, Tokyo time, June 6

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Press Release 89/16  
Washington, June 5, 1989

**ARIANE FLIGHT 31 - SUCCESSFUL LAUNCH OF THE MOST POWERFUL  
VERSION OF ARIANE 4**

**ARIANESPACE launched the SUPERBIRD A and DFS KOPERNIKUS 1 satellites with the most powerful version of the European launch vehicle : ARIANE 44L.**

The launch of the first ARIANE 44 L, with a total required performance of 4418kg, took place from the ELA 2 launch complex in Kourou - French Guiana on Monday, June 5, 1989 at :

07:37 mn 18 sec. p.m. Kourou time  
06:37 mn 18 sec. p.m. Washington time (EDT)  
10:37 mn 18 sec. p.m. Universal time  
12:37 mn 18 sec. a.m. Paris time, on June 6  
07:37 mn 18 sec. a.m. Tokyo time, on June 6

The satellites were injected into a geostationary transfer orbit. The provisional parameters, calculated at the third stage injection, are :

Perigee : 185.4 km ( $\pm$  1 km) for 185 km intended  
Apogee : 35,981 km ( $\pm$  100 km) for 35,965 km intended  
Inclination : 7.0 ( $\pm$  0.05) degrees for 7.00 degrees intended

SUPERBIRD A (mass at lift off : 2489 kg) is a private telecommunications satellite built by FORD AEROSPACE for the Japanese SPACE COMMUNICATIONS CORPORATION company . It will provide national telecommunications services and video coverage for the Japanese main islands and Okinawa. The first SUPERBIRD A apogee motor firing will occur approximatively 26 hours after lift-off.

DFS KOPERNIKUS 1, (mass at lift-off : 1416 kg) is the first German telecommunications satellite. It was built by the R-DFS Consortium (MBB/ERNO, ANT) for the DEUTSCHE BUNDESPOST as part of a television and telecommunications system to provide multiple services for the Federal Republic of Germany including West Berlin. The first apogee motor firing will occur around 37 hours after lift-off.

Speaking of this new success, Charles BIGOT, Director General of ARIANESPACE, stated: "The success of the most powerful version of the new generation of ARIANE 4s allows ARIANESPACE to maintain its operational capability for performing the commercial missions planned by the international space community over the next decade. This is demonstrated with tonight's launch of the first satellites of a new generation which will initiate two new satellite systems, one in Germany and one in Japan.

The next launch is currently scheduled for June 23rd. Using the ELA 1 launch pad, the last ARIANE 3 launch vehicle will place into orbit the European telecommunications satellite OLYMPUS 1 for the European Space Agency.

The ARIANESPACE orderbook now stands at 34 satellites, worth approximately 14.5 Billion FF, i.e. 2.29 Billion US dollars.

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Press Release 89/17  
Washington, June 9, 1989

## **ARIANESPACE PRESS CONFERENCE**

### **ARIANESPACE CONSOLIDATES ITS INTERNATIONAL POSITION**

Following the annual meeting of ARIANESPACE shareholders, held within the framework of the 38th Paris Air Show at Le Bourget Airport, Frédéric d'ALLEST, ARIANESPACE Chairman, and Charles Bigot, Director-General, sketched an overall view of the company's recent business activities and its outlook for the future.

### **ARIANESPACE LAUNCHES 22 SATELLITES IN 21 MONTHS**

Over a short 21-month period, from September 16, 1987 to June 5, 1989, ARIANESPACE sent 22 satellites into orbit, including 13 in seven launches in 1988, and six more in four launches during the first six months of 1989.

This unequalled level of performance is ample proof of the extensive industrial and operational capacities of ARIANESPACE and the European launcher industry. Using a total of 13 launch vehicles, these results also underscore the company's operational flexibility and total control of its multi-satellite launch policy.

The four launches performed in the first half of 1989 are in line with the company's goal of producing and launching 8 to 9 Ariane launchers per year, a rate that will have to be maintained to launch the satellites in ARIANESPACE's order book on schedule.

### **ARIANE 4 COMES ON LINE**

The inaugural flight of Ariane 4 in June 1988 opened the way for regular operation of Europe's workhorse launcher for the 1990s. Three more successful flights,



including a launch of the most powerful version Ariane 44L on June 5th, confirmed the high performance and operational flexibility offered by this modular launcher.

#### A SUSTAINED MARKETING EFFORT

Since January 1, 1988, ARIANESPACE has signed 11 launch contracts, reinforcing its dominant position at the head of the commercial satellite launch market (over 50% market share). Contracts won over the last two years are the following:

- TV Sat 2 for the DEUTSCHE BUNDESPOST (FRG)
- INSAT II A, and
- INSAT II B for ISRO (India)
- TELECOM 2A for FRANCE TELECOM (France)
- SPOT 3 for CNES (France)
- TOPEX for CNES (France) in cooperation with NASA (USA)
- BS-2x of GENERAL ELECTRIC for NHK (Japan)
- INTELSAT VII F1,
- INTELSAT VII F4 and
- INTELSAT VII F5 for the International Telecommunications Satellite Organization (INTELSAT)
- SATCOM C1 for GE AMERICAN COMMUNICATIONS (USA)

Thanks to these new contracts, as of June 1, 1989, ARIANESPACE had booked a cumulative total of 72 firm satellite launch orders, worth over FF 24 billion (about \$4 billion). With the successful launch of flight number 31, ARIANESPACE now has a backlog of 34 satellite launch contracts, worth some FF 14.5 billion.

#### A LONG-TERM INDUSTRIAL COMMITMENT

This last year marked the continuation and culmination of negotiations between ARIANESPACE and its main contractors leading to the signing of protocols and framework agreements to supply a batch of 50 Ariane 4 launchers in addition to the 22 already ordered.

On February 15, 1989, at ARIANESPACE headquarters, the main manufacturing contracts, worth some FF 18 billion for 50 Ariane 4 launchers, were signed with AEROSPATIALE (France), MATRA (France), MBB-ERNO (FRG) AND SEP (France).

#### 1988 BALANCE SHEET

In 1988 ARIANESPACE posted total sales of FF 3,671.7 billion (about \$600 million).

Net earnings for 1988 were FF 127.4 million. Following a proposal by the Chairman, the annual meeting of shareholders approved a dividend equal to 6% of called-up capital, of FF 12.9 million. Taking into account the results of previous years, reserves and retained earnings amounted to FF 621.2 million, and provisions set aside for the technical risks inherent in this field now total FF 909.3 million.

#### S3R, AN INDISPENSABLE PART OF ARIANESPACE'S SUCCESS

ARIANESPACE's reinsurance subsidiary S3R was founded to manage the risks taken by the company on behalf of its clients during the launch phase. In 1988, S3R continued its development, posting sales of FF 165.6 million. As of June 1, 1989, nearly 1/3 of all ARIANESPACE clients - and some 80% of its private clients - had taken advantage of "launch risk guarantees".

#### TOWARD A WIDER RANGE OF SERVICES

Chairman Frédéric d'ALLEST also mentioned ARIANESPACE's interest in launching small and micro-satellites (a firm contract has already been signed for the launch of 6 of these mini-spacecraft with SPOT 2), and discussed the studies in progress on the new launchers (standard launcher components or a new launch concept. Mr. d'ALLEST also referred to studies under way at ARIANESPACE to prepare for the production and operations of Ariane 5 and eventually Hermes.

These prospects for the future are based on the natural vocation of the world's leading space transportation company, and its experience in the fields of technology, industry, commercial and financial arrangements and the management of space risks.

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ARIANESPACE/CONTRAVES  
Joint Press Release 89/18  
Paris Air Show  
Friday, June 16, 1989

### **50 FAIRINGS FOR ARIANE 4 LAUNCHERS**

ARIANESPACE and CONTRAVES signed a contract today at the 38th Paris Air Show for production of 50 additional fairings for the ARIANE 4 launch vehicle. The contract is valued at 150 million Swiss francs (about \$90 million).

This order completes the launch vehicle production contract signed last February 15th between ARIANESPACE and its European industrial partners, confirming ARIANESPACE's long-term commitment to the international space community. The agreement also underscores the increasingly active role of the Swiss space industry in the ARIANE program.

CONTRAVES developed the first ARIANE 1 fairing between 1975 and 1978, teaming up with its main subcontractor Swiss Federal Aircraft Factory (based in Emmen). All the fairings delivered between 1979 and now for the ARIANE 1, 2/3 and 4 launch vehicles have provided fully satisfactory performances. The first fairing in this new batch will be delivered in late 1991.

At the signing ceremony at Le Bourget, the head of CONTRAVES' space division, Hans-Peter Schneiter, stated :

"The fairing, like all the launcher's main subsystems, is a high-performance component, offering minimum weight to maximize payload capacity, as well as a very high degree of in-flight operational reliability to guarantee mission success".

CONTRAVES and its many Swiss subcontractors are proud to participate in the European ARIANE launcher program by providing this key component. We are also proud that the European Space Agency and CNES have expressed their confidence

in Swiss industry by placing CONTRAVES in charge of development for the large ARIANE 5 fairings, which will have even more demanding technical requirements".

In his remarks, ARIANESPACE Chairman Frédéric d'ALLEST said :

"I would like to emphasize the high quality of the work done by Swiss industry for ARIANESPACE, as well as our excellent cooperation with our Swiss partners".

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Press Release 89/19  
Washington, July 1, 1989

### **ARIANE FLIGHT V32 : POSTPONED**

4 seconds before ignition of the Ariane 3 launch vehicle engines, the umbilical interface which feeds the third stage with liquid hydrogen did not release. The Ariane flight 32 countdown had to be scrubbed.

The launch vehicle and the satellite olympus 1 were immediately returned to safe configuration and are presently under control. This incident requires the exchange of the two umbilical interface elements.

Ariane flight 32 is therefore postponed by several days. The new launch date will be announced after thorough analysis of the incident.

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Press Release 89/20  
Washington, July 5, 1989

**ARIANE FLIGHT 32 RESCHEDULED FOR JULY 11, 1989**

The umbilical interface plate which feeds the Ariane 3 third stage tank with liquid hydrogen was replaced on Tuesday, July 4th, in Kourou, French Guiana.

Following thorough analysis, the cause of the incident has been identified as being a problem associated with the ground equipment only. Appropriate corrective measures are now taking place.

The countdown will resume on Monday, July 10th for a launch scheduled in the night from Tuesday, July 11, to Wednesday, July 12. The Ariane Flight 32 Launch Window will be as follows:

9:14 pm to 10:48 pm Kourou Time  
8:14 pm to 9:48 pm Washington Time (EDT)  
12:14 am to 1:48 am Universal Time (July 12)  
2:14 am to 3:48 am Paris Time (July 12)

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**ARIANESPACE/OSC  
Joint Press Release**

**ARIANESPACE JOINS OSC AND HERCULES IN THE PEGASUS PROJECT**

Washington, July 6, 1989 - Orbital Sciences Corporation (OSC) and Hercules Aerospace Company of the United States and ARIANESPACE of Europe announced a preliminary agreement concerning marketing and sales of the PEGASUS air-launched space booster.

PEGASUS is pioneering an innovative approach for launch of small satellite payloads. After transport to a suitable launch point and release from a carrier aircraft, PEGASUS flies an autonomously-guided, lift-assist trajectory to orbit powered by three solid-rocket motor stages. PEGASUS has been sold to the United States Government and commercial customers for low-orbit and geosynchronous-orbit applications. With first launch scheduled for August 1989, Pegasus will complement present ground-launched vehicles.

The Memorandum of Understanding signed by OSC, Hercules and ARIANESPACE outlines terms of cooperation under which ARIANESPACE will exclusively market and sell PEGASUS launch services in Europe. During the initial period of two years, the parties will evaluate possible cooperative activities including performance upgrades to PEGASUS and establishment of a European base of operations.

Following in the pattern of similar international cooperative ventures for aircraft and satellites, this new space launch vehicle alliance exploits the strength and experience of the three companies and will expand the cooperation between the United States and Europe in space.



OSC is one of the world's premiere commercial space technology companies. It is engaged in design, manufacturing, testing and operation of space launch vehicles and suborbital boosters, orbit transfer vehicles, space payloads and satellite tracking and data systems. OSC was recently named by INC. magazine as the fastest growing privately-held high technology company in America.

Hercules Aerospace Company of Hercules Incorporated is a leading producer of solid propulsion systems for missile, ordnance and space vehicle applications. The company also designs and manufactures electronic systems for commercial and military aircraft, and is a supplier and user of composite materials.

ARIANESPACE is today the world's first commercial space transportation company and operates the Ariane 4 family of launch vehicles. Arianespace supplies over 50% of the world market for commercial satellite launches and has delivered 22 satellites to orbit in the past 22 months. This agreement, which falls within the experience of the company, will reinforce its commercial and operational activities regarding small satellites launch services. The 50 ARIANESPACE shareholders include the leading aerospace contractors from eleven European countries.

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Press Release 89/22

## **ARIANE FLIGHT 32 - SUCCESSFUL LAUNCH OF OLYMPUS 1**

**Washington - July 11, 1989 - ARIANESPACE placed into orbit the OLYMPUS 1 satellite for the European Space Agency with the last ARIANE 3 launch vehicle.**

The launch took place from the ELA 1 launch complex in Kourou, French Guiana on Tuesday, July 11, 1989 at :

09:14 mn 00 sec. p.m. Kourou time

08:14 mn 00 sec. p.m. Washington time (EDT)

00:14 mn 00 sec. a.m. Universal time, on July 12

02:14 mn 00 sec. a.m. Paris time, on July 12

The satellite was injected into a geostationary transfer orbit. The provisional parameters, calculated at the third stage injection, are :

Perigee : 198.8 km (  $\pm$  1 km) for 200 km intended

Apogee : 36,080 km (  $\pm$  100 km) for 36,087 km intended

Inclination : 6.2 (  $\pm$  0.05) degrees for 6.2 degrees intended

OLYMPUS 1 (mass at lift off : 2595 kg) is a large high power experimental communications satellite built under the responsibility of BRITISH AEROSPACE for the European Space Agency. It will provide telecommunications experimental programs and transmission tests over Europe. The first OLYMPUS 1 apogee motor firing will occur approximately 36 hours after lift-off.

Speaking on this new success, Frederic d'Allest, Chairman of Arianespace, stated: "Tonight marks the end of a chapter and ushers in a new era for Arianespace. Today, with the last Ariane 3, Arianespace has put into orbit Olympus 1, the most powerful telecommunications satellite of the European Space Agency. From now on, ARIANE 4 whose last four flights have proved its flexibility and reliability, will be used solely as our workhorse for the next ten years."

ARIANE Flight 32 marked the last time that the ELA 1 launch complex will be used. Since the first ARIANE flight in December 1979, 25 launches have been carried out from ELA 1. This launch pad has now been replaced by the more modern and flexible ELA 2, operational since March 1986.

The next launch, Ariane flight V33, will place two satellites into orbit : HIPPARCOS, an important scientific satellite for the European Space Agency, and TV-SAT 2, a direct broadcasting satellite for the Federal Republic of Germany.

The Arianespace orderbook now stands at 33 satellites, worth approximately 14 Billion FF, i.e. 2.1 Billion US dollars.

Arianespace is the industrial and commercial company that is responsible for the production of the ARIANE launch vehicles. Arianespace also markets and sells ARIANE launch services and handles the launches that take place from the Guiana Space Center in French Guiana. Arianespace Inc., a wholly-owned subsidiary of Arianespace, is responsible for marketing launch services in the United States; also a liaison office in Tokyo facilitates contacts in Japan and in the Pacific region.

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Press release no 89/23  
Washington, July 17, 1989

## **HUGHES COMMUNICATIONS INC SELECTS ARIANESPACE TO LAUNCH TWO NEW SATELLITES**

**ARIANESPACE will launch GALAXY VI and SBS 6 satellites on a dual Ariane 4 launcher in June 1990**

ARIANESPACE announced today the signing of a contract with the American company HUGHES COMMUNICATIONS Inc. to launch two telecommunications satellites, GALAXY VI and SBS 6. These two spacecraft will join the fleet of nine satellites operated by HUGHES COMMUNICATIONS Inc., a subsidiary of Hughes Aircraft Company.

Underscoring the importance of this contract, ARIANESPACE Chairman Frederic d'ALLEST stated : "Through this combined order, HUGHES COMMUNICATIONS Inc. once again confirms the confidence placed by American operators in the ARIANE 4 launcher. For ARIANESPACE, this order also demonstrates our company's flexibility in adapting to customer requirements. Thanks to the launcher's flexibility and a sustained rate of operations, we were able to offer this early 1990 dual launch slot."

HUGHES COMMUNICATIONS Inc. operates six C-band communications satellites over US territory, as well as a worldwide satellite communications network for the US NAVY.

Developed and fabricated by HUGHES, GALAXY VI is an HS 376 model satellite with a launch weight of 1,250 kg (2,750 lb). Equipped with 24 C-band transponders, it will be located at 91° West. GALAXY VI will ensure the continuity of the GALAXY satellite fleet by serving as an in-orbit spare. It will also offer "on-request" telecom services, including video transmissions and distribution of TV programs for cable or microwave networks.

The second satellite, designated SBS 6, is an HS 393 model. Offering 19 Ku-band transponders and a launch weight of 2,400 kg (5,280 lb), its orbital location will be 72° West. HUGHES plans to use this satellite in conjunction with the existing SBS 4 and SBS 5 to further the commercial breakthrough of its Ku-band network. Applications include data transmission for news agencies, distribution of programs for TV networks, VSAT business communications and other specialized uses.

HUGHES COMMUNICATIONS Inc. recently negotiated acquisition of the SBS series satellites from SATELLITE TRANSPONDER LEASING Corp. (STLC), an IBM subsidiary. Pending approval of the acquisition by the Federal Communications Commission, HUGHES is providing exclusive marketing services to the SBS satellites.

With these two launch contracts, the sixth and seventh of the year, ARIANESPACE now has a launch backlog of 35 satellites, worth a total of FF 14.7 billion (about US\$ 2.3 billion).

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Press release no 89/24  
Washington, July 24, 1989

### ARIANESPACE LAUNCH MANIFEST

ARIANESPACE today issued the ARIANE "launch manifest" through the end of 1990. This document, updated once a year, lists the scheduled launch sequence.

LAUNCH	LAUNCH VEHICLE	SATELLITES
FLIGHT 33 - AUG. 89	44LP	TV-SAT2 & HIPPARCOS
FLIGHT 34 - OCT. 89	44L	INTELSAT VI F2
FLIGHT 35 - NOV. 89	40	SPOT 2 + Auxiliary payload 1*
FLIGHT 36 - DEC. 89	44L	SUPERBIRD B & BS-2x
FLIGHT 37 - FEB. 90	44L	TDF 2 & DFS 2
FLIGHT 38 - APR. 90	44P (44LP)	EUTELSAT II A & MOP 2 (or SKYNET 4C)
FLIGHT 39 - MAY 90	44P (42P)	SKYNET 4C (or MOP 2) & GSTAR IV
FLIGHT 40 - JUNE 90	44L	SBS-6 & GALAXY VI
FLIGHT 41 - JULY 90	44L	INTELSAT VI F5
FLIGHT 42 - SEPT. 90	44L	EUTELSAT II B & ITALSAT 1
FLIGHT 43 - OCT. 90	40	ERS 1
FLIGHT 44 - NOV. 90	44L	SATCOM K3 & INMARSAT 2 F3
FLIGHT 45 - DEC. 90	44P	ANIK E1

\* Auxiliary payload 1 = MICROSAT A, B, C & D + UOSAT D & E

This program fits a sustained industrial and operational activity, enabling planning of a three month margin each year to offset any technical difficulty regarding the launch vehicles or the satellites.

Such a program, with the adaptability of the ARIANE 4 modular launch vehicle, gives ARIANESPACE the flexibility required to meet our customers' specific needs.

This objective is based upon the experience of the past months : 14 launches with 22 satellites placed into orbit in 22 months, and 9 launches with 14 satellites placed into orbit in just the past year.

As of Friday, July 11th, 1989, ARIANESPACE has a launch backlog of 35 satellites, worth a total of FF 14,7 billion (about US \$ 2,3 billion).

*On this occasion, ARIANESPACE would like to remind you that the only launch dates to take into account are those officially announced by the company.*

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Press release no. 89/25  
Washington, August 8, 1989

### **ARIANE FLIGHT 33 - SUCCESSFUL LAUNCH OF TV SAT 2 AND HIPPARCOS SATELLITES**

**By successfully placing into orbit the German direct broadcasting TV SAT 2 satellite and the European scientific HIPPARCOS satellite, ARIANESPACE brings its commercial launch rate up to '24 satellites in 23 months.'**

The launch was performed on Tuesday, August 8th, 1989

at 08:25 mn 53 sec. p.m. Kourou time  
07:25 mn 53 sec. p.m. Washington time (EDT)  
11:25 mn 53 sec. p.m. Universal time  
01:25 mn 53 sec. a.m. Paris time, on August 9th

ARIANESPACE injected the two satellites into a geostationary transfer orbit. The provisional parameters, calculated at the third stage injection, are :

Perigee : 200.5 km ( $\pm 1$  km) for 200 km intended

Apogee : 35,894 km ( $\pm 100$  km) for 36,035 km intended

Inclination : 6.89 ( $\pm 0.05$ ) degrees for 7.0 degrees intended

TV SAT 2 (mass at lift off : 2130 kg) is a direct broadcasting satellite built by EUROSATELLITE for the DEUTSCHE BUNDESPOST. It will provide 5 high power television channels. The first TV SAT 2 apogee motor firing will occur approximately 37 hours after lift-off.

HIPPARCOS, (mass at lift-off : 1130 kg) is a European scientific satellite built by MATRA. It is the European Space Agency's astrometry mission, a space segment dedicated to the precise measurement of the positions, parallaxes and proper motions of the stars. The first apogee motor firing will occur around 37 hours after lift-off.



Speaking on this new success, Charles BIGOT, Director General of ARIANESPACE, stated: "With the launches of TV SAT 2 tonight and DFS KOPERNIKUS 1 last June, ARIANESPACE is proud to contribute to the development of the German space telecommunications network. The European Space Agency, entrusting us with the launch of HIPPARCOS, underlines the important role of the ARIANE launcher for the international scientific community. The success of ARIANE Flight 33, the sixth launch since the beginning of 1989, strengthens ARIANESPACE's position on the world market: 15 consecutive launches have placed into orbit 24 satellites in 23 months."

The next launch is currently scheduled for next October. ARIANE Flight 34 will place into orbit the first of the INTELSAT VI telecommunications satellites series for the international organisation INTELSAT. Intelsat VI is the largest and heaviest civil telecommunications satellite ever built.

The ARIANESPACE orderbook now stands at 33 satellites to be launched, worth approximately 14.1 Billion FF, i.e. 2.14 Billion US dollars.

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Press release n° 89/26  
Washington, September 21

### **ARIANESPACE : READY TO SERVE JAPAN'S SPACE USERS**

Frédéric d'ALLEST, ARIANESPACE's Chairman and CEO, and Charles BIGOT, President, have just ended a four day visit in Japan (September 18-21). The purpose of the visit was to strengthen existing ties with customers such as JC SAT, SCC and NHK, and study future commercial opportunities.

They had the honor of meeting Mr. Toshiki KAIFU, Prime Minister. They also met Mr. Sempachi OHISHI, Minister of Posts and Telecommunications, and Mr. Eizaburo SAITO, Minister of Science and Technology. During these meetings, Frédéric d'ALLEST mentioned the recent successful launches of the Japanese satellites JC SAT1 and SUPERBIRD A as remarkable examples of a successful cooperation between Japanese, American and European companies.

ARIANESPACE's Chairman expressed the wish for a balanced cooperation in future space activities, respectful of the interests of Japan, the United States and Europe.

Contacts with Japanese authorities, main users of space applications, customers, and also with NTT and KDD were good opportunities to emphasize the operational flexibility of the Ariane launcher ( the contract for the launch of NHK's BS-2x was signed only eleven months before the scheduled launch date), the accuracy and efficiency of ARIANE launches (resulting, for example, in 14 years of life for the JC SAT 1 satellite), and ARIANESPACE's long term commitment to the European space industry, through our recent order for 50 new ARIANE 4 launchers and through preparations towards marketing the new ARIANE 5 launcher, scheduled to be launched in 1995.

Beyond launches planned for 1989, ARIANESPACE believes it can continue to contribute to the development of space related activities in Japan in a spirit of mutual cooperation and support. It is with this in mind that ARIANESPACE's Tokyo team was expanded just a few weeks ago.

The launch of SUPERBIRD B (for SCC) and BS-2x (for NHK) scheduled for this December, will use the same ARIANE 44L launcher.

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Press release n° 89/27

Washington, September 29, 1989

### **ARIANE FLIGHT 34 : POSTPONED**

During standard acceptance tests of electronic components, one of the electromagnetic relays used in the command unit for ARIANE 4 vehicle equipment bays (currently being produced in Toulouse) showed faulty operation.

In order to ensure optimum reliable conditions for the launch of ARIANE flight 34 carrying the INTELSAT VI (F-2) satellite, ARIANESPACE has decided to delay the launch by approximately four weeks. The new launch date will be announced as soon as possible.

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Press release n° 89/28  
Washington, October 16, 1989

### **ARIANE FLIGHT 34 (V34) RESCHEDULED FOR OCTOBER 27, 1989**

Additional verifications have been completed on a new batch of electromagnetic relays used in the command unit for the ARIANE 4 vehicle equipment bay. After acceptance tests of these electronic components, a new command unit has been manufactured and will be mounted on the Flight 34 launch vehicle in Kourou.

The launch campaign will resume on Tuesday, October 17th to enable the ARIANE Flight 34 - INTELSAT VI (F2) lift-off in the night of Friday 27th to Saturday 28th of October, 1989.

The next ARIANE launches are now scheduled as follows:

Flight 35	December 13, 1989	ARIANE 44L	SUPERBIRD B & BS-2X
Flight 36	January 19, 1990	ARIANE 40	SPOT 2 & Auxiliary payload nr 1*

*\* Auxiliary payload nr 1 = MICROSAT A, B, C & D + UOSAT D & E*

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FOR IMMEDIATE RELEASE

Press release n° 89/29

October 27, 1989

**ARIANE FLIGHT 34 (V34) - SUCCESSFUL LAUNCH OF THE LARGEST COMMERCIAL  
TELECOMMUNICATIONS SATELLITE : INTELSAT VI (F2)**

Washington --ARIANESPACE successfully placed into orbit the INTELSAT VI (F2) satellite of the international organization INTELSAT. The ARIANE 44 L (4 liquid propellant boosters) lift-off took place from the ELA2 in Kourou, French Guiana, on Friday, October 27, 1989 :

at 08:05 mn 00 sec. p.m. Kourou time  
07:05 mn 00 sec. p.m. Washington time (EDT)  
11:05 mn 00 sec. p.m. Universal time  
00:05 mn 00 sec. a.m. Paris time, on October 28th

INTELSAT VI (F2) was injected into a geostationary transfer orbit. The provisional parameters, calculated at the third stage injection, are :

Perigee : 200 km (  $\pm$  1 km) for 200 km intended  
Apogee : 35965 km (  $\pm$  100 km) for 36005 km intended  
Inclination : 7.06 (  $\pm$  0.05) degrees for 7.0 degrees intended

INTELSAT VI (F2) (mass at lift off : 4215 kg) is a telecommunications satellite built by HUGHES AIRCRAFT Corporation under the aegis of an international cooperation between SPAR AEROSPACE (Canada), COMDEV Ltd (Canada), ALCATEL ESPACE (France), THOMSON CSF (France), MBB (FRG), BRITISH AEROSPACE (Great Britain), SELENIA SPAZIO (Italia) and NEC (Japan). The first apogee motor firing will occur approximately 5h32min after lift-off.

On this occasion, Charles BIGOT, Director General of ARIANESPACE, stated :  
"Tonight, ARIANESPACE has placed into orbit the largest civil telecommunications satellite ever built. Once more, Arianespace has proven the ARIANE 4 launch vehicle adaptability to the commercial launch market. We are particularly pleased to reach this milestone with the international organization INTELSAT, our first and most

faithful customer, for whom we have already launched 5 satellites (of the INTELSAT V series), the last one in January 1989. Five other Intelsat satellites are booked and scheduled to be launched by Arianespace in the years to come."

The next launch is currently scheduled on December 13, 1989. V35, an Ariane 44L, will place into orbit two Japanese telecommunications satellites, SUPERBIRD B for SCC, and BS-2X for NHK.

The ARIANESPACE orderbook now stands at 32 satellites, worth approximately 13.7 Billion FF, i.e. 2.14 Billion US dollars.

Arianespace is the industrial and commercial company that is responsible for the production of the ARIANE launch vehicles. Arianespace also markets and sells ARIANE launch services and handles the launches that take place from the Guiana Space Center in French Guiana. Arianespace Inc., a wholly-owned subsidiary of Arianespace, is responsible for marketing launch services in the United States; also a liaison office in Tokyo facilitates contacts in Japan and in the Pacific region.

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UNITED STATES DEPARTMENT OF JUSTICE  
REGISTRATION UNIT  
CRIMINAL DIVISION  
WASHINGTON, D.C. 20530

NOTICE

Please answer the following questions and return this sheet in triplicate with your supplemental statement:

1. Is your answer to Item 16 of Section V (Political Propaganda - page 7 of Form OBD-64 - Supplemental Statement):

Yes \_\_\_\_\_ or No X \_\_\_\_\_

(If your answer to question 1 is "yes" do not answer question 2 of this form.)

2. Do you disseminate any material in connection with your registration:

Yes X \_\_\_\_\_ or No \_\_\_\_\_

(If your answer to question 2 is "yes" please forward for our review copies of all such material including: films, film catalogs, posters, brochures, press releases, etc. which you have disseminated during the past six months.)

Douglas A. Heydon  
Signature

11/21/89  
Date

Douglas A. Heydon

Please type or print name of  
signatory on the line above

President, Arianespace Inc.

Title

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